

COMTEC allows four Macomb County departments to be strategically placed and partnered within the same building:

Macomb County Department of Roads

Traffic Operations Center (TOC) staff are responsible for addressing traffic signal service requests from motorists and stakeholders as well as operating and maintaining the Intelligent Transportation Systems (ITS) communication network.

Macomb County Emergency Management

The Office of Emergency Management serves as an advisor or coordinator to ensure that all phases of Emergency Management are addressed by the participating jurisdictions/organizations.

Macomb County Sheriff Dispatch

Sheriff dispatch staff answer 911 calls and dispatch emergency personnel for the following jurisdictions: Mount Clemens, Village of New Haven, Clinton, Bruce, Lenox, Harrison, Macomb, Armada and Washington Townships.

COMTEC also has space for growth to support the dispatch function of other agencies who may also find value in utilizing the many COMTEC resources.

Macomb County Information Technology

Information technology implementation and support for County departments are provided by the Macomb County Information Technology team.

WHAT DOES COMTEC PROVIDE?

COMTEC provides:

- ⇒ County-wide Emergency Operations Center (EOC)
- ⇒ 20' x 50' video wall accessible to the Roads Department, Sheriff's Dispatch and the EOC
- ⇒ Eight (8) traffic monitoring stations
- ⇒ 25 Sheriff and police dispatch stations
- ⇒ Centralized County IT data center
- ⇒ Emergency generator backup power
- ⇒ Computer lab/training room facility
- ⇒ Integrated communications and technologies (radio/voice/data/video)

For more information visit:

comtec.macombgov.org



**Macomb County Department of Roads
Traffic Operations Center**

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MACOMB COUNTY COMMUNICATIONS & TECHNOLOGY CENTER



MACOMB COUNTY DEPARTMENT OF ROADS TRAFFIC OPERATIONS CENTER



COMTEC FACTS

COMTEC opened in late 2013 and is a 25,000 square-foot state-of-the-art facility that provides 24/7 situational awareness for the county's residents, businesses and first responders.

COMTEC goals:

- ⇒ Making optimum use of the county's roadway system by employing effective roadway management techniques
- ⇒ Making efficient use of each agency's resources
- ⇒ Providing a safe environment for transportation users
- ⇒ Keeping roadways clear to maintain mobility for not only first responders but also the general public



TOC FUNCTIONS

Under the direction of the Macomb County Department of Roads (MCDR), the Traffic Operations Center (TOC) serves as the centralized hub of activity for operation, maintenance and monitoring of the various countywide deployments of advanced traffic signal systems, cameras and the countywide Intelligent Transportation System (ITS) communications network including, but not limited to, real-time monitoring of traffic operations (planned and unplanned events), traffic flow, signal operations and special event traffic coordination.

The mission of the TOC is accomplished by working together and sharing resources, such as the video wall, with Emergency Management, Sheriff Dispatch and other stakeholders.

TOC MISSION

The Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) is to provide and maintain a reliable real-time traffic operations system which is operated from a joint facility in coordination with stakeholders to deliver a safe, efficient and informative traveling experience to the public.

TOC FACULTIES

Traffic operations engineers, operations technicians, and Information Technology (IT)/ITS technicians work together at the TOC to efficiently and effectively operate the Macomb County road network.



Two labs are located on the premises and utilized by the TOC staff: the ITS test lab and the auxiliary traffic signal lab. The traffic signal lab is utilized to test traffic signal timings in a clean, controlled environment prior to implementing in the field. The ITS lab is utilized to test ITS equipment such as cameras, radios, antennae and port switches.

TOC accomplishments and initiatives:

- ⇒ 6AM–6PM weekday operations
- ⇒ Standard operating procedures
- ⇒ Construction coordination meetings
- ⇒ Monthly performance measures reports
- ⇒ Employee training plan and certification
- ⇒ Real-time traffic management
- ⇒ Network analysis and optimization